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2013

2018

On the Path to Energy Efficiency: Challenges, Reforms, Accomplishments

USAID MUNICIPAL ENERGY REFORM PROJECT IN UKRAINE





Hennadii ZUBKO

Vice Prime Minister –
Minister of Regional
Development, Construction,
Housing and Communal
Services of Ukraine

"Ukraine is steadily moving toward energy independence, implementing step by step the reform of energy efficiency, housing and communal services sectors. In Ukraine, we are forging a new era of responsible ownership based on scientific and professional principles, along the lines of the European model. Last year, for the first time as an independent nation, Ukraine made major legislative strides toward energy reform: The Ministry of Regional Development, Construction, Housing and Communal Services of Ukraine, together with the Verkhovna Rada and international partners, has developed and approved a legislative package on energy efficiency. It includes the Laws *On the Energy Efficiency Fund, On Energy Efficiency of Buildings, On Housing and Communal Services, and On Commercial Metering of Heat Energy and Water Supply*. The new framework opens the way for implementation of the energy efficiency measures, and launches and stimulates the renewable energy markets, including energy auditors and energy service companies. In the near future, we will launch the Energy Efficiency Fund. These historic steps introduce international energy efficiency standards to Ukraine, and help the country create a quality of life in line with that of Western Europe."



Ostap SEMERAK

Minister of Ecology
and Natural Resources
of Ukraine

"Collaboration between the Ministry of Ecology and the USAID Municipal Energy Reform Project in Ukraine has represented a historic effort. This strong partnership has helped Ukraine take significant steps toward sustainable low emission development. Over the years, we have been able to achieve many indicators in formation and implementation of the state climate policy at the national and regional levels in accordance with best international practices. The Paris Agreement has been ratified, implementation of the Concept for State Climate Policy through 2030 and Action Plan for its fulfillment has commenced, and the Low Emission Development Strategy of Ukraine through 2050 has been drafted. In addition, through our joint efforts, we moved the country out of noncompliance status in the Kyoto Protocol. We believe that these milestones will form a strong foundation for the "green" modernization of the national economy."



Dmytro VOVK

Chairman, National Energy
and Utility Regulatory
Commission (NEURC)

"Cooperation with the USAID Municipal Energy Reform Project in Ukraine was important not only for development of the normative and legal aspects of incentive-based regulation, but also for involvement and motivation of the licensees to use this methodology."



Serhii SAVCHUK

Chairman, State Agency for
Energy Efficiency and Energy
Saving of Ukraine (SAEE)

"SAEE is grateful to the USAID Municipal Energy Reform Project in Ukraine for its close and successful cooperation in improving the country's energy efficiency and developing the renewable energy market. Improvement of the legislative framework in renewable energy, preparation of the concept for the solid biofuel market, new regulations on approval of sustainability criteria for liquid and gaseous biofuels, development of the methodological recommendations for implementation of energy management, close partnership with the local authorities, promoting incentives to raise energy efficiency among the population, wide-scale promotion of Ukraine's investment potential – all these and many more advancements were driven by intensive and persistent cooperation with the USAID Project. I look forward to this sustained and successful partnership in the future to achieve Ukraine's energy independence and improve the welfare of the population."

FACES OF MUNICIPAL ENERGY REFORM



Alla HINAK



Mykhailo SIMASHKEVYCH



Mykola VITENKO



Oleksandr SYMCHYSHYN



Volodymyr HONCHARUK



Vadym BOICHENKO



Petro PANTELEIEV



Maksym STEPANOV



Vladyslav SKALSKYI



Andrii ABRAMCHENKO



Yurii DIMCHOHLO



Hryhorii PUSTOVIT



Ihor TEREKHOV



Serhii KHORTIV



Iryna KULYNYCH



Ruslan TREBUSHKIN



Oleksandr LYSENKO



Vitalii MALETSKYI



Serhii NADAL



Volodymyr KHOMKO



Anatolii VERSHYNA



Volodymyr BURIAK



Anton SHALYHALO



Olha DEMIANENKO



Andrii RAIKOVYCH



Serhii DYMTRIIEV



Oleksii REVA



Ruslan MARTSINKIV



Andrii SADOVYI



Serhii MAZUR



Dmytro HORDIENKO



Andrii AKSONOV



Larysa SHEHYDA



Inna TRYBUKH



Oleksandr BRYKALOV



Yurii VILKUL



Vladyslav ATROSHENKO



Vadym LIAKH



Andrii TABALOV



Vladyslav STEMKOVSKYI



Serhii MORHUNOV



Volodymyr NOVATSKYI



Viacheslav KROITORU



Andrii POLTAVETS



Andrii PANKOV



Ihor PLIEKHOV



Yevheniia VOLYNETS



Volodymyr MYKOLAIIENKO



Valerii KHMELNIUK



Valentyn KAZAKOV



Pavlo VUHELMAN



Borys FILATOV



Vitalii SURAI



Yurii KLYMENKO



Anatolii URBANSKYI



Mykola ROMANIUK



Andrii NESTERENKO



Andrii MITSKAN



Anna PASTUKH



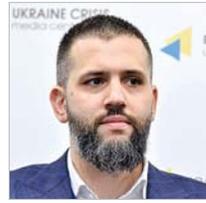
Volodymyr KRAMAR



Eduard KRUHLIAK



Ruslan MASHLIIKIVSKYI



Maksym NEFODOV



Olesia HUTOVSKA



Bil TUCKER



Aliona BABAK



Oleksii KORCHMIT



Yevhen MAHLOVANYI



Roman RADCHENKO



Svittlana CHERNYKH



Yuliia LOVINA



Taisiia ZAIKA



Olha MYRTSALO



Kostiantyn PATRAKEIEV



Nataliia PLEKANETS



Roman VASKOVETS



Viktor BONDARENKO



Viktoriia DEMBITSKA



Vitalii SAVYCH



Maryna DRANICHENKO



Roman MOVCHAN



Pavlo SAVECHKO



Iryna ZAPATRINA



Iryna MOVCHAN



Kateryna SHYSHKA



Maksym KOVNIYEV



Olena LENSKA



Anatolii HUTSUL



Semen DRAHNIIEV



Nadiia LYSENKO



Volodymyr HUTSUL



Nadiia SYLCHENKO



Artem MYROSHNYCHENKO



Oksana KYSIL



Oleksandr STETSENKO



Oleksandr TESLENKO



Anna BORTIANA



Oleksandr SLOBOZHAN



Oleksii BILENKO



Tetiana PROKOPENKO



Ihor KOMKOV



Anna SMIRNOVA



Volodymyr SARIOHLO



Serhii YERMILOV



Andrii BERESTIAN



Anna KUZUB



Roman BONDARIUK



Viktor TOKARENKO



Vadym LYTUVYN



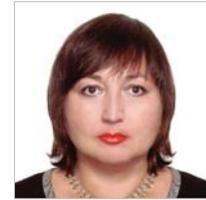
Vasyl STEPANENKO



Viktor HORBACHOV



Anatolii VINNYTSKYI



Yuliia SVIEZHENTSEVA



Yurii SHAFARENKO



Vitalii KURUCH



Yuliia IVANASHKO



Ihor LAZARENKO



Maksym NEVINCHANYI



Mariana BODNAR



Nataliia PRYMACHENKO



Nataliia GLADKA



Olena IVANIV



Olena MYKOLENKO



Olena RUDENKO



Maryna KULIHINA



Ihor ROMANIUK



Valentyn SHOSTAK



Olha STOHNUSHENKO



Kostiantyn ZHARKOV



Oleksandr KORCHMA



Olena VITRAK



Lidiia ANTONIUK



Nataliia ALEKSEIEVA



Mykola PASKO



Maksym LOTTS



Nataliia HRYTSENKO



Ihor SLOBODENIUK



Oleksandra BEREZINA



Oleksii SAVIN



Ruslana VELYCHKO



Anatolii KOLIENKO



Volodymyr KOLIENKO



DEAR PARTNERS,

I am truly happy to have this opportunity to thank you all for the fruitful cooperation and impressive results of our joint work achieved in the 4 years of the USAID Municipal Energy Reform Project (USAID Project) in Ukraine.

Since its inception, the USAID Project has provided support to the Government of Ukraine in improving the legal framework for implementation of necessary re-

forms in the municipal energy sector, introduction of the tariff regulation system, and social safety net adjustment for its dynamic functioning in the communal sector. In addition, the Project actively supported enhancement of capacity for development and introduction of low emission development strategies. The Project assisted the decision makers of Ukraine in creating the foundations for a financially viable and sustainable municipal energy sector that will ensure quality services for all consumers.

Experts of the USAID Project participated in multiple working groups of the Government and the Parliament, and those of executive authorities, to draft laws and regulations and to ensure their compliance with European Union legislation.

With assistance of the USAID Project experts, a number of cornerstone legal framework acts have been developed and adopted by the national authorities:

- Energy efficiency laws' package, in corpore, promoting improved energy saving and transparency in the energy sector;
- Law of Ukraine on National Energy and Utilities Regulatory Commission, which institutionalizes an independent regulatory agency and forms the foundation for implementation of transparent regulatory practices;
- Regulatory package for municipal energy sector tariff reform, creating incentives for investments, reducing expenses, and improving quality of services, as well as ensuring significantly higher transparency of tariffs;
- Low Emission Development Strategy until 2050, the first long-term strategic document on developing a low-carbon economy in Ukraine.

The Project has cooperated with 36 municipalities covering 44 percent of the urban population of Ukraine. Project specialists helped the partner-cities to develop

the Sustainable Energy Action Plans and arrange the operational aspects of the energy management systems. For its partner-cities, the Project conducted hundreds of energy audits in buildings and tens of energy audits for the municipal infrastructure systems.

Special efforts were aimed at identifying funding sources for implementation of the numerous energy efficiency and renewable energy projects in the key municipal infrastructure sectors. For this purpose, our experts and local specialists helped develop investment catalogues, feasibility studies, and business plans that helped our partner-cities to receive funding. We are proud that, as a result of successful work of the joint team, USD 330 million was raised to fund projects of vital importance in advancing municipal energy efficiency.

Bringing our message to consumers has always been the keystone of the Project's

efforts. From the beginning of our work, our team launched a multifaceted information campaign targeted at the consumer. It included direct work with consumers during public events in the partner-cities, development and dissemination of numerous information materials and public service announcements (PSAs), press events, and media campaigns. Using creative strategies, we were able to help Ukrainians change their behavior toward energy efficiency and start using alternative energy in their residences; the Project also demonstrated the importance of responsible homeownership and the benefits of establishing homeowners associations.

I would like to extend our heartiest gratitude to each of you personally – all organizations, institutions, municipalities, ministries, and agencies, as well as non-governmental organizations and other partners – that committed their resources and expertise in the effort to advance Ukraine's

energy security and energy independence. Together, we have managed to significantly improve the extent of using innovative technologies and increase utilization of local renewable resources in the municipal energy sector and this way to impact development of an environmentally sustainable and consumer-oriented communal services provision standard in Ukraine.

Yours faithfully,

Diana KORSAKAITE
Chief of Party
USAID Municipal Energy Reform
Project in Ukraine



**SUPPORT,
PROVIDED
ON THE
NATIONAL LEVEL**

The USAID Municipal Energy Reform Project (USAID Project) began its activities in Ukraine in October 2013. During these years, our partners in implementing reforms were the Ministry of Regional Development, Construction, Housing and Communal Services, the Ministry of Ecology and Natural Resources, the Ministry of Social Policy, the National Energy and Utilities Regulatory Commission (NEURC), and the State Agency for Energy Efficiency and Energy Saving (SAEE). We also worked closely with the Cabinet of Ministers, the Ukrainian Parliament, local self-government bodies, and nongovernmental organizations.



Diana KORSAKAITE



OIha ROMANIUK



Heorhii HELETUKHA



Olena NYCH



Dmytro LEVYTSKYI



Anton LEVYTSKYI



Meeting of Parliament Committee on Fuel and Energy Complex, Nuclear Policy and Nuclear Safety Regarding NEURC



Discussion of the National Action Plan on Renewable Energy

Our partners in implementation of the important reforms for Ukraine were international financial organizations, including the World Bank (WB), the European Bank for Reconstruction and Development (EBRD), the European Investment Bank (EIB), the Northern Ecological Finance Corporation (NEFCO), and technical assistance projects of the donors such as European Commission (EC),

United Nations Development Fund (UNDP), International Finance Corporation (IFC), Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ).

Project experts, together with partners, participated in the working groups of the Parliament, government, and other agencies for drafting of the new laws and by-laws, as well amending the existing legal acts. Project experts provided assistance

in drafting key laws for reform of the municipal energy, housing and communal services (HCS) sectors; developing legal mechanisms to attract investments in energy efficiency projects and clean energy activities; improving efficiency and transparency of the tariff formation system; increasing the level of social protection of the population; and facilitating development of homeowners associations (HOAs).

SUPPORT IN LEGISLATIVE DRAFTING

- National Energy Strategy through 2035
- National Renewable Energy Action Plan through 2020
- National Energy Efficiency Action Plan through 2020
- *Law of Ukraine on National Energy and Utilities Regulatory Commission*
- *Law of Ukraine on Peculiarities of Exercising Ownership Rights in Multi-Apartment Buildings and bylaws*
- *Law of Ukraine on ESCO and bylaws (On Amendments to the Law of Ukraine on Introduction of New Investment Opportunities, Guaranteeing Rights and Lawful Interests of Subjects of Entrepreneurial Activities for Large-Scale Energy Modernization)*
- *Law of Ukraine on Peculiarities of Access to Information in Electricity, Natural Gas and Heat Supply, District Hot Water Supply, District Drinking Water Supply and Sanitation*
- *Law of Ukraine on Heat Supply*
- *Law of Ukraine on Housing and Communal Services*
- *Law of Ukraine on Commercial Metering of Heat Energy and Water Supply*
- *Law of Ukraine on Energy Efficiency of Buildings*



Trainings for NEURC Specialists and Licensees in Heat Supply, Water Supply and Sanitation Sectors

TASKS THAT THE PROJECT HELPED TO IMPLEMENT ON THE NATIONAL LEVEL IN THE SECTORS OF HEATING, DISTRICT WATER SUPPLY AND SANITATION

Working in close cooperation, the National Energy and Utility Regulatory Commission (NEURC) and USAID Project experts developed a series of documents for tariff reform in the sectors of heat supply, district water supply and sanitation that "opens" incentives for timely investment, and establishes pressure to improve efficiency of activities and increase quality of service of district heating, district water supply, and sanitation.



IMPROVEMENT OF THE STATE REGULATION SYSTEM IN THE SECTORS OF HEAT SUPPLY, DISTRICT WATER SUPPLY AND SANITATION

In cooperation with NEURC, USAID Project experts worked on improving the system of tariff regulation in the sectors of heat supply, district water supply and sanitation. As a result, the necessary legislative framework was developed for transition from the current cost-oriented tariff regulation system to the incentive-based system. Introduction of incentive-based tariff regulation will enable timely

investment, efficiency improvement, and increases in the quality of service.

Improvement of the state regulatory system for the municipal energy sector was conducted to address capacity building. NEURC and licensees of district heating, district water supply and sanitation entities were provided with major capacity-building initiatives in the areas of regulatory transparency, incentive-based tariff systems, development of benchmarking and service quality monitoring systems, compliance with the regulatory reporting system, and implementing regulatory accounting separation by types of licensed activities, as well as other areas.

SPECIFICALLY, USAID PROJECT ASSISTANCE INCLUDED:

Conducting training events for specialists of NEURC and district heating and district water supply and sanitation utilities. In 2014–2017, 34 training events were conducted, attended by 1,472 participants.

Development of the bylaws for introduction of incentive regulation

In total, 13 NEURC resolutions were developed to establish an incentive-based tariff regulation system. Eight NEURC key resolutions took effect in 2018; five accompanying resolutions are in the public consultation phase and are expected to be approved by NEURC in spring 2018.

In addition, a report on asset valuation methodology with relevant draft amendments was prepared to assist NEURC in complying with mandatory legal requirements for transition to the incentive-based tariff regulation. Draft methodological recommendations for development and assessment of the long-term investment program were developed to ensure proper management of investment-aimed cash flows under incentive-based tariff regulation.

Establishment of a regulatory accounting separation system for licensees

is of major importance for making sound regulatory decisions.

Procedures (Rules) for accounting by the types of licensed activities by the business entities in the sector of heat supply, district water supply and sanitation, in case of the application of incentive-based tariffs, were developed and are currently in the public consultation phase. A similar regulatory accounting system was developed for entities under cost-oriented tariff regulation, and both resolutions for heating and water industries were adopted by NEURC in 2017.



Development of the benchmarking system based on best international practices

As part of assistance, and an integral part of incentive-based tariff regulation, a benchmarking system was developed for district heating entities and for water and wastewater entities. The development of the benchmarking system included establishing key performance indicators and composing the overall per-

formance indicator, collecting primary data for benchmarking under the key performance indicators, clustering the licensees, and arriving at efficiency targets for all licensees under the suggested benchmarking system. Several methodological reports were prepared, and the entire data array was transferred to NEURC.

Development of a service quality monitoring system based on best international practices

A methodology for service quality assessment and monitoring was developed as a framework of the effort, for both municipal sectors, including the design of a systematic approach to regulatory com-

ponents of service quality. The automated systems for monitoring of quality indicators were developed, and assistance in developing quality of service reporting forms was provided. Forms were approved by NEURC.





Quality of services, as perceived by consumers, was assessed through a specialized survey on quality of communal services. This effort included development of the methodology and tools for surveys of consumer opinion about the quality of certain types of communal services, and potential willingness to pay

more for better quality services. The results are presented in the report of the survey as of 2016.

As part of a long-term strategy, this service quality monitoring system will enable regulator to identify specific components that need to be improved under the incentive-based regulation.

Transparency in tariff regulation

Transparency in making regulatory decisions over tariffs was analyzed and assessed; the Project developed recommendations in a dedicated report on regulatory transparency in formation and setting of tariffs.

The Project provided assistance with improvement of the existing forms for regulatory reporting and instructions for their completion, and drafting the relevant NEURC resolution (approved and took effect in 2017, for a cost-oriented regulation model). Drafts of the new forms of regulatory reporting and instructions for the utilities under incentive-based tariffs are developed and are undergoing consultations.



Ministry of Social Policy Officials and USAID Project Experts Explain New Simplified Mechanism of Communal Subsidies Allocation during the Press-Conference in Kyiv (2015)



Improvement of social safety nets

In cooperation with the Ministry of Social Policy, the USAID Project helped to improve the system of social protection for low-income consumers in the HCS. To this end, Project experts analyzed best in-

ternational practices, conducted analytical studies, and provided expert support for preparation of the relevant documents, and specific recommendations for the government and partner-cities. The recommendations include making the system of subsidies targeted and more accessible to vulnerable groups of the population. Work was done to construct a long-term model for gradual amendment

of the subsidies system so that the system could provide energy-saving incentives to those receiving social assistance, and to ensure a higher degree of transparency over its provisional changes by the state. The suggested policy measures are designed to encourage the population to implement the energy efficiency measures, and to increase targeting of subsidies and stimulate their monetization.



Trainings and Consultations for Specialists from Regional Offices of the Ministry of Social Policy

USAID Project assistance included:

- Analysis of consumption of HCS by low-income households, and development of recommendations on introduction of social norms
- Development and implementation of social norms
- Development of recommendations on improvement and facilitation of the procedure for providing subsidies, and participation in introduction of the new mechanisms
- Conducting an information campaign about the new rules and mechanisms for providing subsidies
- Conducting trainings and providing consultations for over 3,000 employees of local offices of the Ministry of Social Policy

AS A RESULT, 6.5 MILLION HOUSEHOLDS RECEIVED SUBSIDIES, WHICH HELPED REDUCE SOCIAL TENSIONS REGARDING THE RAPID TARIFF GROWTH THAT OCCURRED DURING THE 2015–2016 AND 2016–2017 HEATING SEASONS

- Development of the Concept for incentivizing energy saving in the households receiving subsidies to pay for HCS
- Development of the Concept for monetization of subsidies to pay for HCS

TASKS THAT THE PROJECT HELPED TO IMPLEMENT ON THE NATIONAL LEVEL IN THE SECTORS OF ENERGY EFFICIENCY, ENERGY SAVING, AND RENEWABLE ENERGY

Together with specialists from SAE, USAID Project experts implemented a number of initiatives that were major drivers in the process of implementing large-scale changes in energy efficiency and use of alternative energy, namely:

- Developed and contributed to adoption of the National Energy Efficiency Plan, and the National Renewable Energy Plan, as well as the Laws *On Energy Efficiency*



of Buildings, On Amendments to the Law on Heat Supply for Stimulation of Heat Energy Generation from Alternative Energy Sources, On Amendments to the Law of Ukraine on Introduction of New Investment Opportunities, Guaranteeing Rights and Lawful Interests of Subjects of Entrepreneurial Activities for Large-Scale Energy Modernization (Law on ESCO).

- Developed initial assessment and recommendations for solid biomass sector organization aimed at increasing the supply of biomass and ensuring that demand for biomass is met on market-based principles. A report and draft legal package were provided to SAEE for consideration.
- Developed initial assessment and recommendations regarding third-party access to district heating infrastructure aimed at enabling potential increase of investment flows and increasing the share of alternative fuels in district heating; the economic model was developed for Ukrainian condi-

tionality. A report and draft legal package were provided to SAEE for consideration. The district heating systems of some pilot cities were assessed in terms of potential network optimization and integration; technical/engineering modelling was conducted to arrive at larger system units increasing system efficiency and enabling utilization of residual (or other) thermal energy to be supplied to the integrated network, thereby increasing resilience in the system and reducing price of thermal energy.

- Worked on the draft *Law of Ukraine on Amendments to Some Legislative Acts of Ukraine on Development of the Sphere of Liquid Biological Fuels Production*. This draft law was developed in fulfillment of the National Renewable Energy Action Plan. The draft law aims at implementation of the provisions of Directive 2009/28/EU of the European Parliament and Council dated 23 April 2009 on promotion of use of energy from renewable sources. To imple-





ment the law, the USAID Project has already prepared and discussed the national standard *Liquid and Gaseous Biofuels: Requirements to Reduce Greenhouse Gas Emissions*.

- Launched and actively supported the state "warm loans" program, and contributed to adoption of more than 150 municipal programs.
- Ensured the possibility of conducting energy service company (ESCO) tenders

through the ProZorro Public Procurement System, which will help to conclude about 250 ESCO contracts in the public buildings sectors in 2018.

These and many other initiatives have allowed Ukraine to make important steps toward introduction of energy efficiency measures and use of alternative energy sources, which in turn will provide a solid foundation for ensuring the country's energy security and energy independence.





LOW-CARBON REFORM IN UKRAINE



Natalie KUSHKO



Iryna TROFIMOVA



Oleksandr DIACHUK



Svitlana HRYNCHUK



Mykhailo CHYZHENKO



Nataliia PARASIUK

In early 2015, the USAID Project and the Ministry of Environment and Natural Resources of Ukraine (the Ministry) initiated development of the Low-Carbon Development Strategy of Ukraine until the Year 2050 (the Strategy). The completed Strategy was presented at the Third Low-Carbon Development Conference in September 2017, and published on the Ministry's official website for public discussion 2 months later. It is the first long-term strategic document in Ukraine.

The Draft Strategy was made possible with the support of the Center for Climate Strategies (CCS Company – a partner of the USAID Project and the world leader in stating goals and objectives of low-carbon development). Together with CCS Company, specialists of the Ministry and USAID Project experts developed the Draft Strategy. More than 700 stakeholders were engaged in creating the document, including representatives from the government, central



executive agencies, civil and expert communities, science, and business.

It should be noted that the Strategy was developed pursuant to the provisions of the Paris Agreement; the Parliament of Ukraine was one of the first bodies worldwide to ratify the Paris Agreement in July 2016. To fulfill the provisions of this agreement, with support from the USAID Project, the Ministry developed *The Concept of Implementation of the State Policy in the Field of Climate Change until the Year 2030* and the plan for its realization. Both documents were approved by the Cabinet of Ministers of Ukraine.

For the first time since Ukraine's regaining independence, these statutory acts addressed the climate change problem at the national level and outlined methods for its resolution.



BELOW, WE LIST ITEMS THAT HAVE BEEN DEVELOPED IN COLLABORATION WITH THE MINISTRY OF ENVIRONMENT AND NATURAL RESOURCES:

- Low-Carbon Development Strategy of Ukraine
- Concept of the State Climate Policy and Action Plan for its Implementation
- Estimated energy sector development scenarios for the Intended Nationally Determined Contribution to the Paris Agreement and for the Energy Strategy of Ukraine through 2035
- Draft bylaws for the system of monitoring, reporting, and verification of greenhouse gas emissions
- National methodologies for the greenhouse gas emission and absorption inventory system
- Analytical materials for implementation of the Paris Agreement

SIX TECHNICAL WORKING GROUPS HAVE BEEN SET UP FOR DEVELOPMENT OF THE STRATEGY COMPRISING 140 EXPERTS IN:

- energy supply
- energy consumption in industry
- energy consumption in the housing and utilities sector
- transport
- waste management
- agriculture and forestry





**WORK WITH
PARTNER-CITIES**



Dmytro YEMELYANENKO



Ihor KULESHOV



Oleksandr NIKOLAIENKO



Anton SHAPKOVSKYI



Ruslan TORMOSOV

Attracting investments for implementation of energy efficiency projects, developing municipal energy planning systems, and implementing activities to reduce energy consumption in each USAID Project partner-city – these are the key tasks that have been successfully completed under the USAID Project. These successes were made possible through the unique synergies established among Project specialists, the proactive positions of mayors of the 36 partner-cities, the commitment and professionalism of local experts, and the support of Ukrainian citizens.



Yevhen NIKITIN



Mykhailo TARNOVSKYI

Experts of the USAID Project started their work by evaluating key sectors of municipal infrastructure, such as heat supply, residential and public buildings, water supply and sanitation systems, transport, street lighting, as well as municipal solid waste management programs. The evaluation results, expert calculations, and public discussions have all helped the cities identify their priorities, which needed urgent reforms in energy saving and energy independence.

Working with the cities, experts of the USAID Project prepared 25 Sustainable Energy Action Plans (SEAPs) and Sustainable Energy and Climate Action Plans (SECAPs). In approving them, local council members provided vital opportunities for their communities to attract significant investments in energy efficiency projects and initiatives. The prepared action plans contain more than 600 projects for implementation of energy efficiency measures

and use of alternative energy sources in key infrastructure sectors. For Odesa Oblast, the USAID Project team has developed Ukraine's first Regional Energy Plan (REP). Implementing the REP will make it possible for the region not only to save nearly UAH 2.6 billion by 2022, but also reduce its consumption of energy resources (natural gas by more than 22% and electricity by 36%), lower CO₂ emissions, and diversify energy generation with renewable resources. The REP investment program includes energy efficiency projects in various sectors of the regional economy, which will require UAH 29.5 billion to implement by 2022.

Separate investment catalogs have been developed for twenty SEAPs. According to experts of the USAID Project, the total investment demand for implementation of the initiatives included in SEAPs is estimated at over USD 2 billion. In just 2 years, the cities have managed to finance activities

to boost energy efficiency for a total of nearly USD 150 million. If all the proposed projects are successfully implemented in full, the cities will be able to reduce their annual energy consumption by 7,667 GWh and cut the annual CO₂ emissions in the atmosphere almost 7 million tons.

Municipalities will be able to implement their plans and projects only by using modern approaches to managing energy resources. To that end, the USAID Project team offered to improve existing or develop new systems of energy management according to the provisions of the ISO 50001* standard.

*ISO 50001 «Energy efficiency. Energy management systems – Requirements with guidance for use»



Supported by Project experts, the cities developed and implemented their own energy policies, and set their objectives, tasks, and action plans, norms, and standards in the field of energy saving and energy efficiency improvements. About 40 trainings and seminars on optimization of energy management systems have been conducted for city council leaders and specialists. All these have empowered each of our partner-cities to select the model best suited for managing their energy resources and energy spending given the existing management processes being used by municipal governments, and to engage local specialists and municipal leaders.

Sumy is the first city supported by the USAID Project to successfully pass an external audit of its municipal energy management system to obtain a certificate of conformity to the ISO 50001 standard. The auditors have examined the effectiveness of implementation of municipal energy policy; achievement of the set objectives and tasks; development and implementation of the action plan to reduce energy consumption with due account for legislative requirements; availability of essential documents; and competence and knowledge of personnel.

The USAID Project team vigorously supported implementation of the energy management system in Sumy. Project experts developed comprehensive documentation on energy management (general policy and procedures); organized relevant trainings for more than 170 people; and conducted an internal audit of the energy management system for compliance with ISO 50001 and preparedness for external certification.



Sustainable Energy Days in Sumy, 2017

Support Provided for Development of National Energy Management and Energy Audit Standards

Thanks to the combined efforts by the USAID Project and SAEЕ, Ukrainian cities are able to develop and implement effective systems of energy management that will conform to all international and national standards. With no additional invest-

ment, these new systems can generate savings in energy resources (5% to 8%) through more energy-efficient user behaviors, and can help reduce the level of energy consumption by 20% in facilities that operate under the new systems.



PREPARED TOGETHER WITH THE SAEЕ:
 SURVEY REPORT *PRACTICES OF IMPLEMENTATION OF EU 2012/27 DIRECTIVE ON ENERGY MANAGEMENT AND ENERGY AUDIT SYSTEMS IN UKRAINE*

REGULATIONS ON:

- Implementation of energy management systems in government-funded institutions financed from local budgets;
- Conducting the monitoring of consumption of fuel and energy resources by government-funded institutions;
- Monetary incentives for persons in charge of implementation of energy management systems in government-funded institutions;
- Setting the limits for consumption of energy carriers by government-funded institutions.

The USAID Project team also focused on attracting the funds required for implementation of SEAPs. Upon request from partner-cities, the Project team elaborated in detail some 60 investment projects totaling about USD 490 million. USAID Project experts conducted in-depth audits of key

sectors of the municipal infrastructure, prepared investment feasibility studies, and developed business plans and other essential documents. Today, 22 projects totaling about USD 200 million are already being implemented or are proceeding through the approval process.



Awarding Certificates to the Specialists who Successfully Passed the Training on Energy Audit of Buildings

The Project supported certification of energy managers for partner-cities in accordance with international standards. More than 50 specialists took the training and were awarded energy manager certificates.

THE USAID PROJECT:

- Provided assistance in adoption of national energy management standards in Ukraine;
- Developed the national standard of Ukraine *Methods and Phases of Conducting Energy Audits of Buildings*;
- Prepared the methodology of energy audit of municipal energy systems;
- Developed the Municipal Energy Management Handbook;
- Analyzed best practices, developed unified methodology and incentives for implementation of energy management systems in municipalities, and provided assistance for development of unified methodology and guidelines for energy monitoring, energy management, energy consumption limits, and use of funds obtained from saved energy.

BUILDINGS

Our experts have conducted over 930 energy audits of public facilities in more than 30 partner-cities of the USAID Project. Based on the information obtained in the audits, documents were developed to secure financing from international financial institutions such as European Investment Bank (EIB), European Bank for Reconstruction and Development (EBRD), Nordic Environment Finance Corporation (NEFCO), and others. Based on the results of the work, the municipalities will be able to mobilize more than USD 101 million for implementation of thermal modernization projects in 306 public buildings.



TOTAL INVESTMENTS

USD 101 000 000



938

public facilities



138

residential facilities

ANNUAL SAVINGS OF PUBLIC FUNDS

USD 7 000 000

REDUCTION OF CO₂ EQUIVALENT EMISSIONS

41 377 TONNES

REDUCTION OF NATURAL GAS CONSUMPTION

13 000 000 M³

EXAMPLES OF PROJECTS IN PUBLIC BUILDINGS

Project experts have conducted energy audits of 93 educational institutions and prepared an investment feasibility study for the city of Ternopil. One euro 30.409 million project, if implemented, will enable the city to replace obsolete heat supply systems, install automatic heat carrier supply systems, upgrade the systems of ventilation, as well as take other actions. Such technical solutions will enable more efficient use of energy resources in institution buildings; temperature and humidity levels would be optimized for comfort, which will help reduce illness rate among students and teachers and im-

prove effectiveness in the classroom.

Forty government-funded institutions, including kindergartens, schools, and administrative buildings, will shortly undergo thermal modernization in Ivano-Frankivsk. The city has received euro 6.313 million from NEFCO and E5P for implementation of these important projects. This project is possible thanks to the USAID Project experts who conducted energy audits and prepared feasibility studies to prepare for

energy system modernization in these facilities. According to preliminary estimates, the city will be able to reduce its energy costs for the abovementioned government-funded institutions by more than USD 500,000, save more than 1.178 million m³ of natural gas, and reduce CO₂ emissions by 3,844 tonnes.

The City of Kremenchuk has also used assistance from international financial institutions. The city received the needed





FOR LOCAL RESIDENTS, THESE ACTIVITIES AND A NUMBER OF OTHER MEASURES WILL CONTRIBUTE TO CREATING OPTIMALLY COMFORTABLE ENVIRONMENTS IN PUBLIC INSTITUTIONS AND RESIDENTIAL BUILDINGS, IMPROVE THE ENVIRONMENT THROUGH ENERGY EFFICIENCY, AND REDUCE THE EXPENDITURES OF BOTH MUNICIPAL GOVERNMENTS AND HOUSEHOLDS FOR HOUSING AND COMMUNAL SERVICES.

funds for implementation of energy efficiency initiatives in 66 public buildings, including 38 kindergartens, 23 schools, and 5 hospitals. The package comprises a long-term loan of euro 6 million from EBRD, a preferential loan from Clean Technology Foundation (CTF) of euro 1.5 million, and a grant from the EBRD's Spe-

cial Shareholders' Fund (SSF) of euro 1.5 million.

The city will be employing energy service company (ESCO) mechanisms for conducting the thermal modernization of these institutions. EBRD's Public Sector Energy Efficiency Framework program has a budget of euro 115 million to provide loans

to municipal energy management companies under municipal guarantees; it is envisaged that these loans will make it possible for cities to finance projects in energy efficiency in government-funded institutional buildings and in the street-lighting sector using the ESCO mechanism.

PUBLIC TRANSPORT

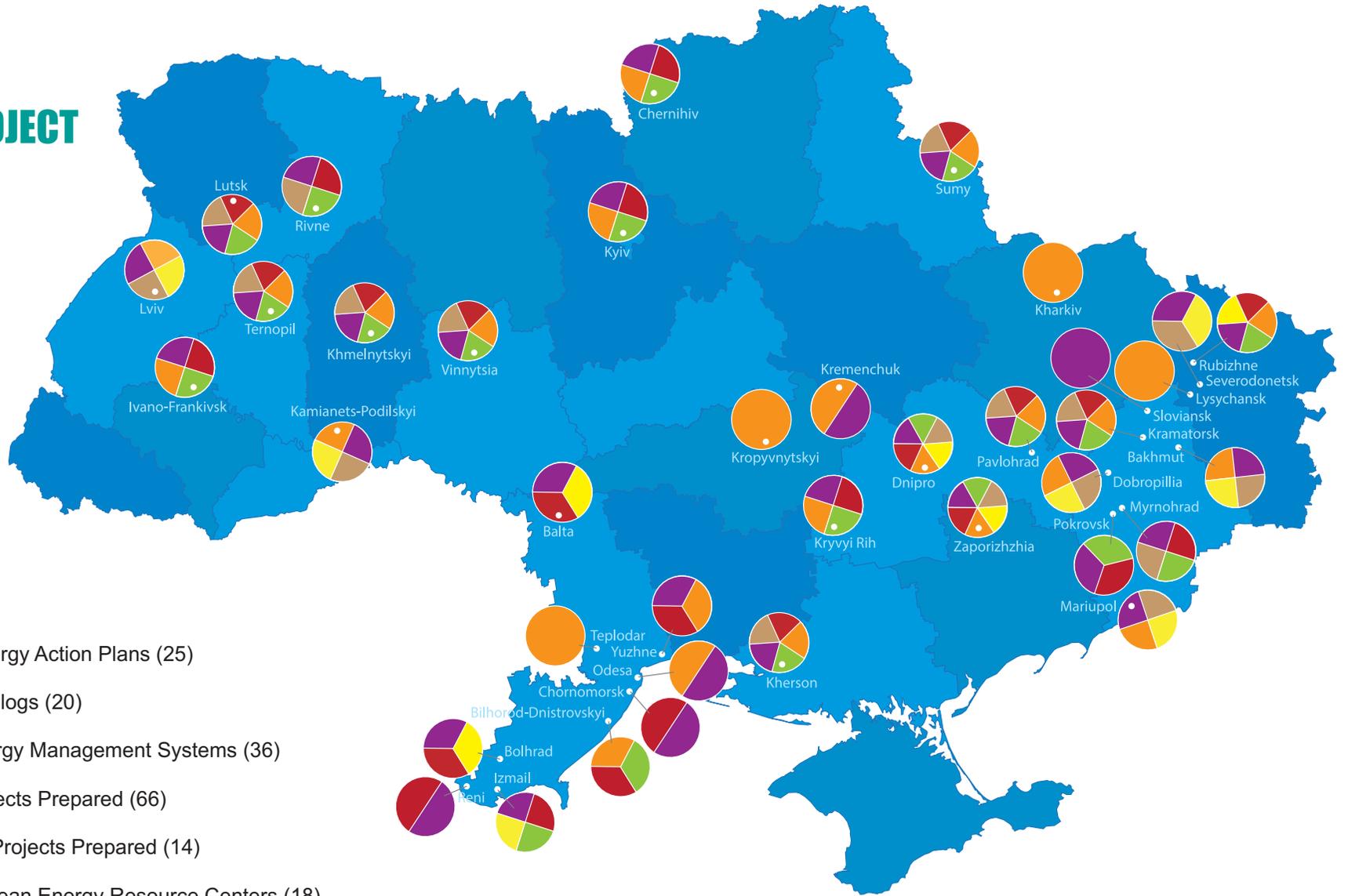
Supported by the USAID Project, Ukrainian cities continue working proactively to upgrade their obsolete and, sometimes, even unsafe municipal transport. Already in 2018, Ivano-Frankivsk and Chernihiv will put into service 75 new trolleybuses that conform to international technical standards and are fully adapted to serve people with disabilities. Implementation of these projects, totaling about USD 23 million, will enable the cities to reduce their energy costs by UAH 7 million and cut CO₂ emissions by 2,415 tonnes per year.



USAID Project specialists drafted a *Concept Paper for Improving Efficiency of Public Transport for the City of Kramatorsk*.

In the paper, experts provided their recommendations for optimizing the operation and improving the transport infrastructure, and included a database of the city's private and public transport (trams, trolleybuses, buses, fixed-route taxis). These implementations would enable the municipality to control traffic intensity, evaluate passenger traffic, and launch new transport routes while improving the expedience of existing routes.

MAP OF USAID PROJECT ACTIVITIES



- Sustainable Energy Action Plans (25)
- Investment Catalogs (20)
- Support for Energy Management Systems (36)
- Investment Projects Prepared (66)
- Demonstration Projects Prepared (14)
- Homeowners/Clean Energy Resource Centers (18)

MUNICIPAL SOLID WASTE MANAGEMENT PROGRAMS

Municipal solid waste (MSW) management programs present an important area of collaboration with partner-cities, because this sector of the municipal infrastructure has great potential not only for improving energy efficiency, but also for minimizing adverse impact on the environment, and, consequently, on the health of city residents. Therefore, USAID Project experts have developed separate MSW management programs for Ivano-Frankivsk, Kamianets-Podilskyi, and Odesa Oblast. These roadmaps contain general information about the current status of MSW management in the city/region and a more detailed description and justification of key vectors for the development of this sector.

Project experts also focused on organizational and management, financial and economic, training and educational, and informational activities. All these efforts will enable our partner-cities to improve their existing systems for primary waste accumulation and collection, set up innovative systems of waste separation at MSW landfills, and use landfill gas to generate elec-

tricity and heat energy. In fact, Khmelnytskyi and Ivano-Frankivsk have already launched degassing units at their local landfills to extract landfill gas and convert it to electricity. The unit has a capacity to generate about 3,700 mWh of electricity annually, which is sold to a state-owned company under a “green” tariff. Through this scheme, the city collects about UAH 2.5 million per year.



Even the very first initiatives implemented by partner-cities have begun to make a meaningful difference; the funds that these Ukrainian cities mobilized, thanks to the support of the USAID Project, have been leveraged to make advances in energy efficiency and savings. These first efforts have demonstrated that municipalities can significantly reduce their consumption of traditional fuels, increase the replacement of traditional fuels with alternative sources of energy, and use the funds thereby saved for further modernization of municipal infrastructure assets, as well as for important social projects for the local community.



EXPERIENCE OF IMPLEMENTATION OF ESCO MECHANISM IN UKRAINE

With support from the USAID Project, the Parliament of Ukraine developed and approved the *Law of Ukraine on Introducing New Investment Opportunities, Guaranteeing Rights and Lawful Interests of Entrepreneurial Entities for Implementing Large-Scale Energy Modernization in 2015*. The new law has opened up opportunities for Ukrainians to secure private investments for energy efficiency projects. The Law stipulates that, going forward, both domestic and international ESCOs can implement initiatives for energy efficiency in state-owned and municipal buildings, as well as in private residential buildings. And there is plenty of business for ESCOs – about 80,000 go-

vernment-funded institutions in Ukraine use energy resources wastefully and need thermal modernization. The amount of funds needed to complete this task is estimated at UAH 8 billion.

Members of Parliament amended the law in 2017, whereby municipalities are now authorized to post their tender announcements on the Ukraine's official prozorro.gov.ua public procurements portal to engage ESCOs in energy modernization projects in government-funded institutions. The Odesa region has used this opportunity. Potential investors provided their requirements regarding the facilities they would like to have modernized, based on the ESCO mechanism. The USAID Project was approached by the Bilhorod-Dnistrovskiyi, Odesa, and Odesa Oblast administrations, which asked for expert evaluations of the facilities that should be modernized. First, experts conducted a preinvestment rating, based on which 135



Public Presentation and Discussion of Odesa Regional Energy Plan through 2035

government-funded institutions were selected. Of those, city councils selected 80 institutions for conducting snapshot energy surveys. Following further review of those results, the Odesa Oblast Council and the Odesa and Bilhorod-Dnistrovskiyi city councils announced 40 tenders for procurement of energy modernization services in general educational institutions on

the prozorro.gov.ua web portal. According to investors' estimates, implementation of these initiatives in the chosen government-funded institutions will enable these facilities to realize energy savings of 20 percent to 30 percent. Overall, it is expected that about 260 ESCO contracts for servicing government-funded institutions will be concluded throughout Ukraine in 2018.

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OUTREACH CAMPAIGN

“We must give information to Ukrainians, which will enable them to make correct decisions.” This was the goal of the USAID Project team, which has launched a wide-ranging information campaign in its partner-cities. Its success was driven by a properly chosen communication strategy, information events, initiatives, and special projects. All these elements were developed in close dialogue with the members of the Working Group on Communications, which included representatives of the key partners of the USAID Project: the Cabinet of Ministers of Ukraine, Ministry of Regional Development, Construction, Housing and Communal Services, Ministry of Social Policy, State Agency for Energy Efficiency and Energy Saving (SAEE), as well as international partners and Ukrainian nongovernmental organizations (World Bank, International Finance Corporation (IFC), Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ), All Ukrainian Public Organization “Civic Network OPORA,” and the Municipal Development Institute).

Is it easy to help the country to become energy independent? And what role does the average Ukrainian citizens play in this process? Do they use available energy resources responsibly? Is it possible to change the attitudes of the majority of users of housing and communal services, who believe that the state is responsible for bringing energy reform to their homes? Can they be motivated to be responsible owners and providers of comfort in their homes? Given that the issues of energy efficiency and energy saving are closely linked to housing and communal services (HCS) reform, which has progressed with great difficulty, the most likely answer would be: “That’s unrealistic!” Maybe so, but not for the USAID Project team and our enthusiastic partners.

Create the required legislative and regulatory framework, develop sustainable energy action plans, and help the Project partner-cities attract investments for energy

efficiency and green energy projects: these would seem to form the foundation for implementing successful changes in HCS and municipal energy reform. However, the USAID Project team has identified one more important condition to ensure the integrity of the undertaking, which is people – or, more precisely, their support. For us, it was very important that Ukrainians understand that reforms will only be possible with participation of each and every one of them.

It was essential to change people’s attitudes toward energy efficiency, and teach them how to utilize energy resources economically, use alternative sources of energy, and come together to address common problems in their buildings. We also realized that our citizens can understand the scope of necessary changes in Ukraine – and their role in this process – only if they receive exhaustive answers to their questions. Based on this knowledge, they will be able to take balanced decisions and start acting.



Vira ILLIASH



Vira GRESKO



Mariia MOROZ



Kadriia SAFIULINA



Oksana KOVAL

First, we have built one of the most powerful libraries on energy reform in Ukraine. Materials such as brochures, posters, leaflets, and infographics have been continuously created, updated, and supplemented by leading Ukrainian and international experts. Using these materials, Ukrainians can find simple answers to difficult questions: Why are tariffs growing? How can I save energy resources and pay less for utilities? How can we properly establish and manage a homeowners association (HOA)? Where can one find the money to pay for energy-efficient upgrades in multiapartment buildings? What is clean energy? and many others.



USAID Project Information Materials



Dmytro PROKOPENKO



Daria KOLIADA



Tetiana BOIKO



Bohdan Oleh HOROBCHUK



Viktoriia POHORIELOVA



USAID Project Information Kiosks on Energy Efficiency in Partner-cities



The Project disseminated about 400,000 informational materials in the 36 USAID Project partner-cities in the course of 5 years. We have posted the on-line versions of these materials on the Project's official website so that residents of all Ukrainian cities, villages, and settlements can access this information. Very quickly, our website has become a powerful informational platform, where more than 160,000 visitors annually are finding ex-

haustive information from the leading national and international experts on energy saving, alternative energy sources, development and establishment of HOAs, issues of tariff reform, and social protection of the population.

However, information alone was not enough. We needed to find a way to continuously turn the attention of Ukrainians to the topics of energy efficiency and energy saving. To that end, the USAID Project team, supported by its partners, developed annual series of new video public service announcements (PSAs) and outdoor advertisements. Creative and engaging, these PSAs urged Ukrainians to practice comprehensive and correct heat insulation of buildings, install heat meters and individual heat substations, take part in the government's "warm loans" program, establish HOAs, and learn about the benefits of employing alternative sources of energy.



Creative Process of USAID Project Video PSAs' Shooting





USAID Project Outdoor Advertising in Partner-cities

About 4,500 such posters appeared on the streets of our partner-cities during Project implementation. The video PSAs have been broadcast by more than 100 Ukrainian TV channels; they have been posted on social media and displayed in intercity trains. Overall, they have been seen by more than 20 million TV viewers during the period of rotation, about 400,000 Facebook and YouTube users, and about 2 million passengers of the Ukrainian Railways' trains.

Despite the success and popularity enjoyed by the Project's information materials, it was extremely important in our work not just to provide Ukrainians with useful information, but also to continuously communicate with them. Information events, working with mass media, and special projects online — these are the tools we have used to carry out an active dialog with our audience.

Working with Mass Media

A major undertaking was to convince journalists of the importance of covering the topics of the energy reform and the Housing and Communal Services (HCS) objectively and professionally, leaving bias and roasted facts in the past. Another significant task was convincing them to learn to present information about rather complex technical issues and legislative provisions accurately and in simple language. Indeed, it is the knowledge of journalists and quality of their materials that will ensure that Ukrainians draw the correct conclusions, and therefore make the right decisions. Realizing this, we developed a series of interactive trainings for representatives of regional and national mass media outlets, where training was combined with press tours to the facilities, including companies and HOAs, that were implementing energy saving measures and using alternative sources of energy.



Press Tours Were Conducted at Facilities that Improved Their Energy Efficiency under the USAID Project

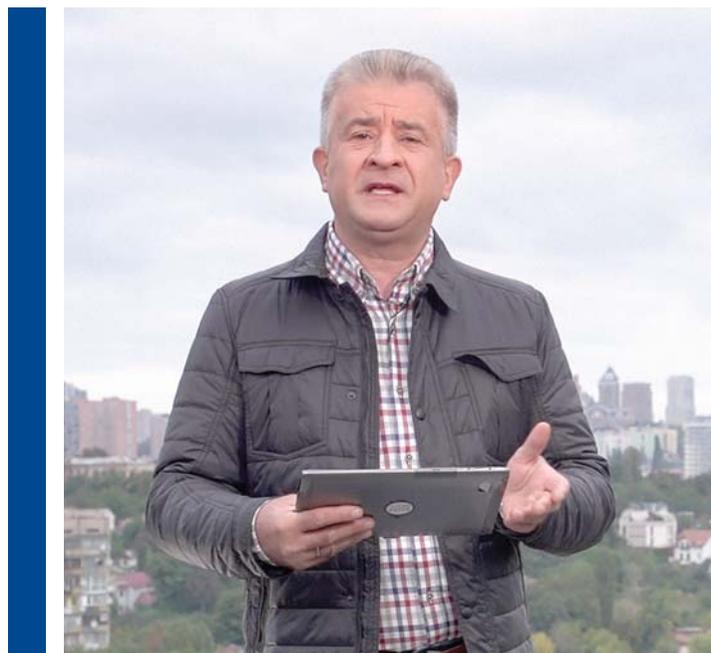


Work of Creative Laboratories during the Seminars for Journalists
Awarding the Winners of the Contest for the Best Published Materials about
Energy Efficiency and Energy Saving

Gradually, working together with experts of the USAID Project, journalists have begun to understand the technology of energy modernization of buildings, criteria for equipment and materials for quality performance of work, and the sequence of actions and decisions for efficient use of energy resources and reducing utility bills. In addition, the journalists have learned at our trainings about how to present information on diverse media platforms, use of correct terminology in articles and video features, and how to dispel popular myths about new legislation and HOA establishment and operation. Overall, 615 Ukrainian journalists have taken part in the trainings.

The USAID Project team has set up and launched the *Tvii dim* (Your Home) series on the National UA: Pershyi TV channel. In just its first season, it captured the attention of Ukrainians and became one of the top-ten features on this channel. Stories about making life in one's own home more comfortable, features about people who have decided to set up an HOA, get "warm loans," conduct thermal modernization of their homes, and install energy saving equipment – all these and many other relevant topics about real-world energy reform in HCS have truly piqued the interest of Ukrainians.

We have also demonstrated the experiences of USAID Project partner-cities in implementing energy efficiency projects at the municipal level, launching of local programs to promote energy saving and use of alternative sources of energy, and creating or modernizing municipal energy management systems. The success of



Tvii Dim Series was Broadcast by National TV Channel UA:Pershyi, 35 Regional TV Channels and in Social Networks

the first season of *Tvii dim* has inspired us to create second and third seasons. In general, our series has been broadcast by 35 Ukrainian TV channels with more than 4.7 million viewers, and watched by about 2 million users on social networks.



Public Events

During Project implementation, we supported, organized, and held more than 350 events on various topics both on the national and regional levels, including fo-



Public and Education Events in Partner-cities

forums, conferences, roundtables, seminars, trainings, and press conferences. We held special events such as Sustainable Energy Days. From year to year, in-

formation kiosks of the USAID Project were installed in the main squares and streets of our partner-cities, where adults could obtain free consultations and infor-

mation booklets, while children could join the Project team and volunteers in making paper windmills and conducting experiments with clean energy.

Adults received comprehensive information about energy saving measures and legislation in HCS, and children discovered the world of renewable energy. Also during this time, conferences and roundtables on this topic were held in the cities, as well as bike quests and drawing competitions, master classes, and school contests. For those who wanted additional expert advice on energy saving and heat insulation, HOA creation and management, as well as cofinancing of energy-efficiency initiatives under the government “warm loans” program and relevant municipal programs, the USAID Project team set up a free hotline. In just 1.5 years of operation, more than 10,000 individuals have turned to experts of the USAID Project for consultation and advice.



USAID Project Information Kiosks during the Sustainable Energy Days in Partner-cities

SPECIAL PROJECT WITH ONLINE MEDIA

Joining forces with the editorial staff of one of the most popular Internet media in Ukraine, the USAID Project team has developed a series of topical publications. These publications discuss methods of reducing energy consumption and decreasing utility bills, special features of HOA operation and effective management, and useful tips for conducting thermal modernization in residential buildings. In 4 months, we wrote 12 articles that were read by more than 170 000 Ukrainians.



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В ОСББ

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= ЕКОНОМІЯ
до 70%
НА МАТЕРІАЛАХ
до 40%
НА КОМУНАЛЬНИХ
ПЛАТЕЖАХ

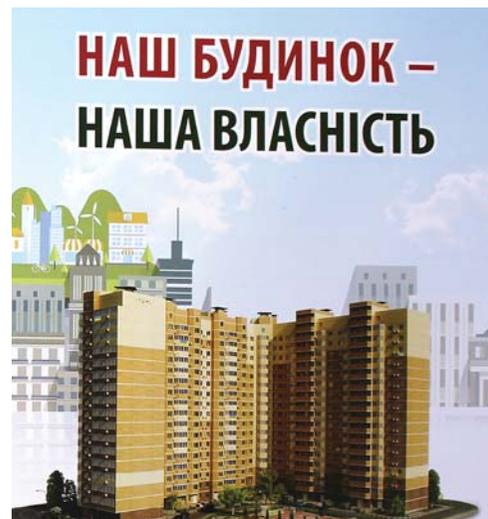
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Дзвінок зі стаціонарних і мобільних телефонів у межах України безкоштовно

Social Advertising and Information Materials of the USAID Project



When informing Ukrainians about the importance of conducting energy-efficient activities, it was also necessary to provide information about possible ways to finance such initiatives. To this end, the USAID Project team worked with specialists from the SAEЕ to write a series of special brochures. These brochures provided the most recent information and detailed description of the government “warm

loans” program, lending, and reimbursement terms. Information about the program was also widely publicized in the Project’s PSAs. Billboards, city-lights, and video PSAs reminded Ukrainians whenever possible that, by participating in the program, they could recover part of the money they spend for energy-saving materials or equipment. All these strategies have made it possible to increase awareness of and

interest in the program; consequently, more than 274,000 loans, totaling more than UAH 5 billion, were provided for implementation of energy-efficient measures. HOAs were active in the effort – they obtained 1,248 loans totaling about UAH 210.5 million since May 2015. The Project partner-cities also launched their municipal programs covering “warm loan” interest or part of principal.



400 000

brochures, posters,
infographics



160 000

website visitors
annually



10 000

consultations
of hotline



350

public and
education events

TVII DIM TV PROGRAM

3 seasons

35 TV channels with

4 700 000 viewers

2 000 000 views on Facebook and Youtube



PUBLIC SERVICE ANNOUNCEMENTS

9 PSAs

120 TV channels and websites

20 000 000 TV viewers

395 000 views on Facebook and YouTube



SOCIAL OUTDOOR ADVERTISING

4 490 billboards and city-lights

UAH 16 500 000

saved via placing on free basis



During its work in its partner municipalities, the USAID Project opened and equipped 18 Homeowners Associations/Clean Energy Resource Centers (HOA/CE RCs), which operate under the support of local associations of condominiums, public organizations, or city councils. Free consultations on legal, financial, administrative, and technical issues are provided at HOA/CE RCs for those who are interested. For example, one can learn how to create an HOA, how to make a home more energy efficient and how to properly insulate it, and where to get money for complex thermomodernization.

In just 2 years (2015–2017), more than 14,000 groups seeking to create HOAs applied for advice from HOA/CE RC experts. As a result, 4,046 condominiums have been created in USAID's partner municipalities, which is approximately 34.1 percent of all condominiums created during the same period in Ukraine (11,876).

The USAID Project actively supported the participation of RC consultants in thematic training seminars and conferences where they acquired new knowledge, which they shared with RC visitors. Each of them has advanced to leadership roles in the HOA movement in their respective regions, helping to improve the housing sector for the benefit of future generations.



Seminars for Consultants of HOA/CE RCs



Heads of HOA/CE RCs Attend Energy Efficiency Partnership Forum in Kyiv, 2016



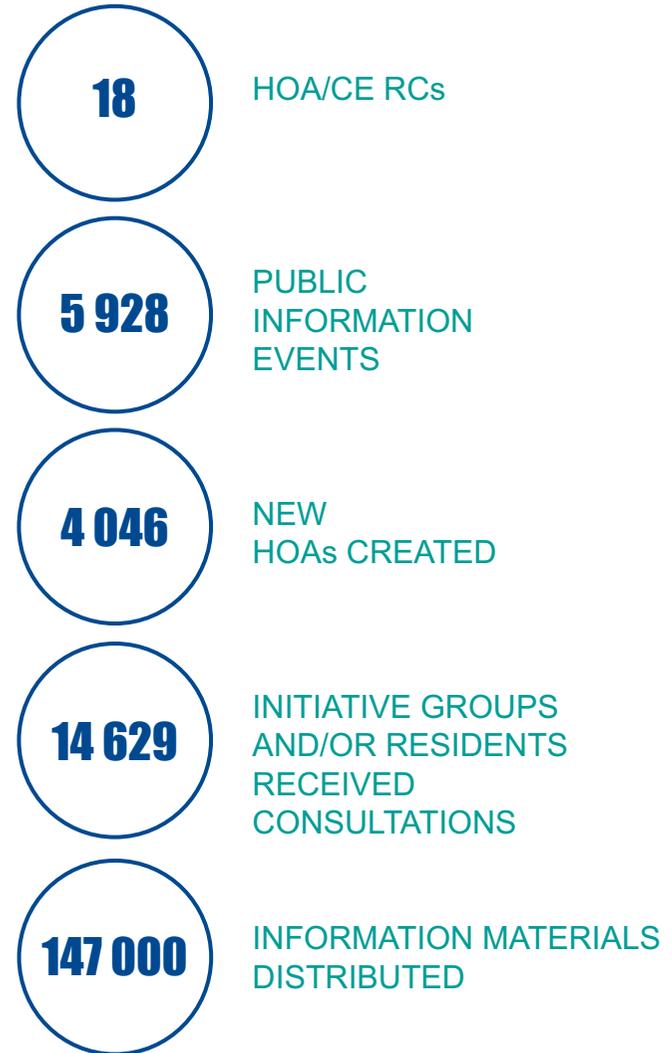
Press-Conference after Opening of the HOA/CE Resource Center in Ternopil



Energy Efficiency Center in Lutsk Opened under the Auspices of the HOA/CE Resource Center

The USAID Project's 4 years of ambitious, intensive, fruitful, and useful work passed swiftly. Recalling our start today, we realize that we have reached our goal, which had once appeared to us to be unrealistic: to place energy efficiency and energy saving at the core of Ukrainians' everyday culture. According to the public opinion survey conducted by the Kyiv International Sociology Institute in September 2017, nearly 87 percent of adult Ukrainians support or have already completed activities in their homes designed to increase energy efficiency, and recognize that the problems of energy saving and sustainable use of energy resources are currently among the most important for Ukraine. According to the same survey, the information campaign of the USAID Project – whose materials are familiar to more than 18 percent of the adult population of Ukraine – has played a major role in these successes.

Activities of USAID Project Homeowners Associations/Clean Energy Resource Centers



LEADERS OF HOAs MOVEMENT IN UKRAINE



Viktoriia POHORELOVA



Yuliia SABATIUK



Liudmyla SHANTS



Serhii SOLTYS



Kateryna CHYZHYK



Nataliia OLIINYK



Hanna ROZUM



Kira KANDAUROVA



Oksana DIAKOVA



Oksana HOROVA



OLESIA CHVANKINA



Stefaniia KLYMKO



Yurii TREHUBKO



Serhii LUPAK



Viktoriia SKOROMETS



Vadym KOSHMANOV



Roman HUCHENKO



Roman KRASIUK



Tamara MIROSHNYCHENKO



Maryna HORDYMAN



Halyna KOHUT



Olena MAZUR



Valentyna ORLOVA



Roman ALEKSIICHUK



Bohdan MALINSKYI

